

S/079/60/030/04/14/080  
B001/B016

AUTHORS: Bodya, K., Reilyanu, M.

TITLE: Phenothiazones. IV. Bromo-phenothiazine Sulfoxides and  
Bromo-diphenyl-amine Sulfones

PERIODICAL: Zhurnal obshchey khimii, 1960, Vol. 30, No. 4,  
pp. 1131-1135

TEXT: On the basis of knowledge gained in previous investigations (Refs. 1,2), the authors synthesized bromo-phenothiazine sulfoxides and converted them to bromo phenothiazones. When 3,7-dibromo phenothiazine (I) is treated with potassium bichromate, the sulfoxide (III) results under mild conditions. 1,3,7,9-tetrabromo phenothiazine (II) is converted to the corresponding sulfoxide (IV). At the same time, the compounds (V,VI) are formed (isomers of the sulfoxides). Only the sulfoxides could be isolated since the isolation of the hydroxides of bromo phenazthionium in pure state is little likely. The bromo phenothiazine sulfoxides and the hydroxides of bromo phenazthionium were converted to bromo phenothiazone by means of potassium bichromate which confirms that they are

Card 1/2

REIMAN, A.

P O L .

✓ Influence of time of picking on keeping qualities of apples in common storage. A. Reiman (*Roczn. Nauk rol.*, 1934, 62, A, 349-353).— In experiments with 12 common Polish varieties, premature harvesting caused shrivelling, softening, and excessive loss of moisture, especially during the initial period of storage. Susceptibility to fungal infection varied greatly with different varieties, and was chiefly associated with the higher temp. of autumn and spring. Resistance to *Penicillium* was high for immature apples, and decreased progressively during storage. P. S. ARUP.

REIMAN, Arnold, kand.med. nauk, zasl. vrach Estonskoy SSR;  
FILLAU, V., red.; VANTRE, I., tekhn. red.

[Mother and child; handbook for child care and hygiene]  
Ema ja laps; käsiraamat lapse hooldamise ja tervishoiu  
alal. 4., parandatud ja täiendatud trükk. Tallinn, Eesti  
Riiklik Kirjastus, 1963. 402 p. (MIRA 17:1)

BOGOVSKI, P., red.; KASK, M., red.; KORGE, K., red.; LOOGNA, G., red.;  
REIMAN, A., spets. red.; PARN, A., red.; VAHTRE, I., tekhn. red.

[Manual on hygiene] Tervishoiu kasiraamat. Tallinn, Eesti riiklik  
kirjastus. Vol. 1961. 899 p.  
(HYGIENE) (MIRA 15:5)

REIMAN, A., spets. red.; BOGOVSKI, P., red.; KASK, M., red.;  
KORGE, K., red.; LOOGNA, G., red.; PARN, A., red.;  
VAHTRE, I., tekhn. red.

[Manual on hygiene] Tervishoiu kasiraamat. Tallin, Eesti  
riiklik kirjastus. Vol.2. 1962. 892 p. (MIRA 16:7)  
(HYGIENE)

POLAND / Soil Science. Soil Genesis and Geography. J

Abs Jour: Ref Zhur-Biol., No 2, 1959, 6037.

Author : Reimann, B.

Inst : Not given.

Title : The Dust Soil of the Ancient Obra and Szarka  
River Valleys.

Orig Pub: Roczn. gleboznawcze, 1956, 5, 159-169.

Abstract: Meadow-chnozem soils are found in the ancient Obra and Szarka River valleys, in Greater Poland distinguished for their excellent physical properties. The soils are poor in nutrients, especially potassium. Potassium fertilizers are necessary for reclamation of the land under agricultural crops.

Card 1/1

REIMANN, Brunon

Oder River alluvium soils of the eastern part of the Glogow Valley. Grass rank soil in West 18 no. 3:383-406 1961.

1. Department of Soil Science, College of Agriculture, Poznan.

REIMANN, Brunon

Studies on the low ground alluvial soil in Stare Pole,  
Malbork District. Roczniki wyz szkola rol Poznan 15  
267-282 '63.

Influence of admixed brown coal to light soil on the de-  
velopment of plants. Ibid.:283-287.

1. Department of Soil Science, College of Agriculture,  
Poznan.



REIMANN, Brunon

Influence of liming on the manganese, iron, phosphorus and calcium intake of plants on light soils. Prace nauk roln i lesn 12 no.3:67-97 '62.

1. Chair of Science of Soils, Higher School of Agriculture, Poznan.

S/044/62/000/004/003/099  
C111/0444

AUTHOR: Reiman, István

TITLE: Extremum problem of the graph theory

PERIODICAL: Referativnyy zhurnal, Matematika, no. 4, 1962, 48,  
abstract 4A278. ("Mat. lapok", 1961, 12, no. 1-2, 44-53)

TEXT: Considered be the graph  $G_{n_1 n_2}$ , the corners of which can be divided into two disjoint classes  $H_1$  and  $H_2$  such that one end of an arbitrary edge of the graph belongs to  $H_1$ , the other end to  $H_2$ , the number of the corners in  $H_1$  being  $n_1$ , and those in  $H_2$  being  $n_2$ . Let  $R_j$  be a subgraph of  $G_{n_1 n_2}$ , possessing exactly  $j$  (respectively two) corners in  $H_1$  (respectively  $H_2$ ), the edges of which connect every corner of  $R_j$  belonging to  $H_1$  with the two corners of  $R_j$  which belong to  $H_2$ . The following question is put up: how many edges has  $G_{n_1 n_2}$  to contain at least in order to have always a subgraph of the type  $R_j$ ?  
Card 1/2

Extremum problem of the graph theory

S/044/62/000/004/003/099  
C111/C444

Let  $k_j(n_1, n_2)$  be that smallest number of edges under which  $G_{n_1 n_2}$  has surely a subgraph of the type  $R_j$ . One constructs infinitely many triples  $j, n_1, n_2$  such that their values  $k_j(n_1, n_2)$  can be exactly dedetermined. The method is as follows: A correspondence between  $r$ -dimensional finite projective spaces and the graphs of the type  $G_{n_1 n_2}$  is fixed up such that the points of the space correspond to the corners of  $H_2$  and the  $t$ -dimensional subspaces correspond to the corners of  $H_1$ . Two corners are connected, if the corresponding point and the corresponding  $t$ -dimensional subspace are incidental. It is shown that the number of the edges of the graph obtained according to this method is  $k_j(n_1, n_2) - 1$ .

[Abstracter's note: Complete translation.]

Card 2/2

REIMAN, Istvan, egyetemi adjunktus

The situation of our gifted youth. Magyar Tud 72 no.2:116-120  
F '65.

1. Lorand Eotvos University, Budapest.

REIMAN, Istvan

An extreme problem pertinent to graphs. Mat lapok 2 no.1/2:  
44-53 '61

REIMANN, Brunon; SIKULA, Włodzisław

The black earth of the Wszeźnia Plain. Prace nauk rolniczych  
19 no.1:151-172 '65.

1. Department of Soil Science of the School of Agriculture,  
Poznań.

REIMANN, J.; VINCZE, I.

On the comparison of two samples with slightly different sizes.

In English. Mat kut kozl MTA 5 no.3:293-309 '60.

(EEAI 10:8)

(Sampling(Statistics)) (Distribution(Probability theory))  
(Functions)

REIMANN, J. (Budapest)

Unsymmetrical tandem walk on the plane and in the space with absorbing barriers. Acta mat Hung 15 no.3/4:339-354 '64.

1. Submitted August 9, 1963.



REINA, H.

AGRICULTURE

Periodical: S TSIALSTLIK PELLUMAJANDUS. Vol. 14, no. 2, Jan. 1959

REINA, H. In the Veterinary Council. . 90

Monthly List of East European Accessions (EEAI) IC, Vol. 3, No. 5,  
May 1959, Unclass.

REIMAN, M.

Welding cracked cylinder heads. p. 75.

MOTORZACJA. (Ministerstwo Transportu Drogowego i Lotniczego),  
Warszawa, Poland  
Vol. 14, N. 3, Mar 1959

Monthly List of East European Accessions Index (IC, Vol. 8, No. 11,  
November 1959  
Uncl.

REIMAN, Mieczyslaw, mgr inz.

Characteristics of the surface ignition in carburetor  
engines. Techn motor 13 no.8:252-255 AG'63.

REIMAN, Mieczyslaw, mgr inż.

Remarks concerning the methods of testing the antiknocking  
resistance of fuels and carburetor engines. Techn motor 15  
no. 1.12-17 Ja '65.

REIM-V, Miesislav, mgr 100.

Remarks on the trends in designing modern high-compression  
carburetor engines. Town motor 14 no.10 316-320 G 161.

REIMAN, Mieczyslaw, mgr inz.

Quality problems of contemporary gasoline fuels. Techn motor 14  
no. 6:179-183 Je '64.

REIMAN, M.

Octane Numbers of Engine Fuels, p. 273.

PRZEGLAD MECHANICZNY (Stowarzyszenie Inzynierow i Technikow Mechanikow  
Polskich)  
Warszawa, Poland  
Vol. 18, no. 9, May 1959

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, No. 11,  
November 1959.  
Uncl.

1957, 1.

Concerning the welding of cast iron in the repair of automobiles. p.13.

(MOTORYZACJA. Vol. 12, No. 6, June 1957. Warszawa, Poland)

30: Monthly List of East European Accessions (EMEL) 10. Vol. 6, No. 10, October 1957. Uncl.



REIMAN, M.

3954

021,783,661.1 : 003,107.2 : 669,14,018,232.3

Reiman M. Small Hardening Furnaces for Heat Treatment of High-Speed Steel.

"Male piece hartownicze do obróbki cieplnej stali szybkoobrotowej".  
Mechanik. No. 5, 1935, pp. 188-190, 4 figs.

The author describes the construction and operating principles of various hardening furnaces, designed by Polish technicians, for the heat treatment of high speed steel. The following types of furnaces are described in detail: 1) salt resistance oven operating, in a 50% NaNO<sub>3</sub> and 50% KNO<sub>3</sub> bath, at temperatures up to 600°C; 2) electric resistance oven, operating at temperatures up to 800°C, suitable for treating small objects; 3) salt electrode-furnace operating at temperatures up to 1300°C, where CaCl<sub>2</sub>, supplemented with 2-3% of iron-silicon or borax is used. These furnaces can be constructed, without great difficulty, at any small workshop concerned with heat treatment either for laboratory or production purposes.

HC

of

REIMAN, H.

H. Reiman. "Pistons of the S-42 Engines," Motoryzacja, Aug 56.

REIDAN, M.

Various characteristics of motors. p. 93. (TECHNIKA MOTORYZACYJNA, Vol. 4, No. 3, Mar. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (DEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

REBILAN, I.

"New Soviet Buses in Warsaw." p. 202, (MOTORWILACJA, Vol. 9, No. 7,  
July 1954. Warszawa, Poland.)

SO: Monthly List of East European Accessions, (SML), LC,  
Vol. 3, No. 12, Dec. 1954, Uncl.

1. Introduction

2. Influence of political and economic factors on the development of the

3. The role of the state in the development of the economy

4. Conclusion

5. The role of the state in the development of the economy

... ..

The King in Star 2/... mobile motors after general overhauling. p. 170

W: East European Accessions List (EAL). LC. W. H. M. 11 Nov. 195 uncl.

REIMAN, M.

The problem of using moving couplings in gearboxes. p. 261  
MOTORYZACJA, Warszawa. Vol. 10, no. 9, Sept. 1955.

SOURCE: East European Acession (EEAL) Library of Congress  
Vol. 5, no. 8, August 1956.

RELIAN, H.

The problem of backfire and detonation in gas engines. P. 234  
MOTORYZACJA (Ministerstwo Transportu Drogowego i Lotniczego)  
Warszawa Vol. 10, no. 8, August 1955

SOURCE: LEAL LC Vol. 5, no. 7, July 1956



REIBAN, M.

REIBAN, M. Autoignition in repaired engines. p. 266. Vol. 11, no. 10, Oct. 1956.  
MOTORYZACJA. Warszawa, Poland.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

REIMAN, M.

A few remarks on the definition of a period between repairing a car.

p. 358 (Technika Motoryzacyjna) Vol. 7, no. 10, Oct. 1957, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

REIMAN, M.

Remarks on r nning the Star 20 automobile between repairs. p. 76.  
MOTORYZACJA, Warszawa. Vol. 11, no. 3, Mar. 1956.

SOURCE: East European Acession (EEAL) Library of Congress  
Vol. 5, no. 8, August 1956.

REIMAN, M.

Voice in the matter of introducing the system of repairing based upon exchange of sets. p. 325. Motoryzacja. Vol. 10, no. 11, Nov. 1955.

SOURCE: East European Accessions List(EEAL), LC, Vol. 5, no. 3, March 1956.

REIMAN, M.

Proper selection of piston rings at the motor repair  
shop. p. 80. Vol. 10, no. 3, Mar. 1955, MOTORYZACJA. Warszawa.

SOURCE: East European Accessions List (EEAL), IC, Vol. 5, no. 3, March 1956.

Poland, L.

"Problem of Wear and Tear of Cogwheels in the Transmission of the Star-20 Automobile." p. 199, (MOTORYSTAJA, Vol. 9, No. 7, July 1954. Warszawa, Poland.)

SO: Monthly List of East European Accessions, (BEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

Tighten the crankshaft of the motor of the Star-10 automobile. p. 91

Автомобиль (в интерактивном транспорте Browner в Лодзке)  
Vol. 10, No. 10, October 1955

Автомобиль, Лодзь

6. East European List

Vol. 5, No. 1

Jan. 1956

REIMAN, M.

"Casting axle box bearings for the repair of S-42 motors." p 367.  
(MOTORYZACJA, Vol. 9, No. 12, Dec. 1954. Warszawa, Poland)

SO: Monthly List of East European Accessions. (EEAL). LC. Vol. 4, No. 4.  
April 1955. Uncl.



REBIAN, K.

Automobile terminology. (Conclusion) p. 94. (TECHNIKA MOTORYZACYJNA, Vol. 4, No. 3, Mar. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (MEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

S/262/62/000/016/007/009

I011/I211

AUTHOR: Reiman, Mieczystan

TITLE: The influence of the engine operating conditions on the fuel octane number

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. 42. Silovyye ustanovki, no. 16, 1962, 64, abstract 42.16.446. (Techn. motoryz., v. 11, no. 11, 1961, 366-370 [Polish])

TEXT: Some investigations of the influence of the most frequently met engine operating conditions on the problems connected with the determination of the octane number under these conditions are generalized. The following conclusions are drawn: (1) the octane number as a conditional concept determines the fuel anti-detonation stability only tentatively and can be considered as a preliminary parameter which needs a correction according to the real operating conditions in each case; (2) the heterogeneity of the factors that influence the changes in the fuel octane number with changes in operating conditions, the introduction of a new kind of fuel or a structural variation in the engine require the determination of the influence of these factors on the demands made by the engines on the fuel anti-detonation stability. 9 figures and 6 references.

[Abstracter's note: Complete translation.]

Card 1/1

Z B-H TELLE RE-2574-14

RESEARCH

83085-1974

Power increase of the DB 603 A engine by adding an oxidized to the fuel---  
Leistungssteigerung am Motormuster DB 603 A durch sauerstofftraeger---  
by Hermann Hechlin Z-Stelle June 1943 germ unclass 16P incl tables graphs.

This report deals with tests carried out to boost the operational performance  
by 355 to 375 HP at an altitude of 8000 to 10000 meters by adding 100 grams  
per second of liquid nitrous oxide whereby an additional **enrichment** of  
fuel is not necessary.

SOURCE: AIR, MC, DESK CATALOG OF GERMAN AND JAPANESE AIR-TECHNICAL  
DOCUMENTS, March 1948, P. 706, Unclassified

REIMAN, Mieczyslaw, mgr inz.

Remarks on the combustion process in multifuel engines.  
Techn motor 12 no. 11: 368-370 N '62.

REIMAN, Mieczyslaw, mgr inz.

Problems of modern diagnostics of the combustion process  
in carburetor engines. Techn motor 14 no. 3:86-90 Mr 161.

REIMAN, Mieczyslaw, mgr inz.

Problems connected with the use of high-octane fuels.  
Techn motor 12 no. 4/5: 146-149 Ap-May '62.

REIMAN, Mieczyslaw, mgr inz.

Problems connected with testing the antiknocking strength  
of modern carburetor vehicles. Techn motor 13 no. 4:  
130-134 Ap '63.

REIMAN, Mieczyslaw, mgr inż.

Studies on the effect of the composition of the mixture  
on the antiknocking resistance of carburetor engines.  
Techn motor 14 no. 1:17-21 Ja '64.



REIMAN, Mieczyslaw, mgr inz.

Anomalies of the combustion process in carburetor engines.  
Techn motor 12 no. 8: 248-251 Ag '62.

REMAN, Mieczyslaw, mgr inz.

Lead compounds as antiknock admixtures. Techn motor 13 no.2:  
44-48 F '63.

CHRZOSTONOWICZ, S.; OSTASZEWSKI, B.; REIMSCHUESSEL, W.

Polymerization of  $\epsilon$ -enantholactam in nonpolar solvents. Pt. 5.  
Bul chim PAN 12 no.10:691-693 '64.

1. Technological Laboratory of Plastics of the Department of  
Organic Technology of Lodz Technical University. Submitted  
June 29, 1964.

ZWB-LFM-N-BERICHT-3

REINDORF H

R8052-F17

Calculations on an expansion cooler operating in high velocity flow---Der duesenkuehler bei grossen kuehlluftgeschwindigkeiten---By H Reindorf Muenchen Luftfahrtforschungs-Anstalt July 1944 Germ Secr 47P Incl Tables Graphs

Calculations are made for cooler performance and the decrease of drag at high cooling air velocities. The effect of the expansion of the cooling air in the block is taken into consideration. The results of the investigation are presented in tables and graphs.

SOURCE: AIR, AMC, DESK CATALOG OF GERMAN AND JAPANESE AIR-TECHNICAL DOCUMENTS, March 1948, P. 693, Unclassified.

Fish skins a new raw material for leather substitute. Skins of cod (*Gadus ciliaris*), wolf fish [*Anarchichas minor* and *Anarchichas latifrons*] and *Gadus aeglefinus*. M. A. REIMAN, B. I. RUBIN and O. P. CHUDINOV. *Tsentral. Nauch. Issledovatel. Inst. Karkhevennoi Prom.* 1932, 3-80. The methods used in skinning, preserving the skins, and other operations are described. The skins of the cod have an av. of moisture 67.60, dry residue 1.0, epidermis 25.10, scale 7.00 and fat 0.3%, while those of wolf fish have moisture 72.4-78.0, fat 0.32-0.35 and dry substance 27.28-21.05%. The sp. gr. is 1.10 and 1.2, the thickness 0.52-0.68 and 0.78-1.07 mm, resp. They should be preserved in a 30% salt soln. Histological structure of the skins of *Anarchichas minor*, *Anarchichas latifrons*, *Gadus ciliaris* and *Gadus aeglefinus*. A. A. BRAUN, M. F. IVANOV, A. A. RYAHININ and R. N. ORLOV. *Ibid.* 87-103. Treating fish skins with vegetable and mineralic tanning substances. N. GUREVICH and D. ZIBERMAN. *Ibid.* 104-12. The following treatments of scale skins are described: soaking, liming, pickling and tanning. Topography of the skins from the wolf fish and cod. A. GUREVICH and E. GORYUNOVA. *Ibid.* 113-52. Skins of these species were cut into a great no. of small squares and strength and thickness detns. were carried out. The usual tanning expts., etc., were reported. A. A. BOHLENCK.

BALO, J.; VANDOR, F.; REIMAN, P.

Pathogenesis of malignant melanoma. Orv. hetil. 92 no.17:525-528 29  
Apr 1951. (CML 24:5)

1. Doctors. 2. First Institute of the Pathology and Experimental Research of Cancer, Budapest Medical University.

**ACKNOWLEDGMENTS**

[illegible]

REIMAN, P. I.  
(2/23)

Inst. of Path. Anat. and exp. Cancer Res., Med Univ., Budapest.\* The effect of substances influencing oxidation on the growth of mouse cancer ASTA PHYSIOL. ACAD. SCIENT. HUNG. (Budapest) 1971, 21-2 (273-281) Tables 11. The investigations are based on the conclusion that in tumors one or more steps in the Krebs cycle are deficient. The possibility was tested that tumour growth might be inhibited by remedying this deficiency with auto-oxidizable metal complexes. Such compounds were administered to mice bearing Ehrlich's mouse carcinoma. Some increased, whilst others retarded the neoplastic growth. The most conspicuous stimulator of growth was Fe-ascorbic acid complex; the most effective inhibitor Cd-ascorbic acid complex. In Wistar experiments para-phenylenediamine oxidation of mouse cancer is inhibited by Fe-complex while stimulated by Cd-ascorbic acid complex. Experiments performed in vitro with mouse superoxide demonstrated that the Fe-complex inhibited the activity of the respiratory ferment (cytochrome oxidase), while the Cd-complex accelerated the reduction of the enzyme formed. The conclusion is drawn that both complexes act on the respiratory ferment, in one case inhibiting, in the other intensifying its action. A tumour growth inhibiting activity similar to that of Cd-complex is displayed by some Fe-complexes. From among the Fe-ascorbic acid, Fe-salicylate and Fe-citrate complexes, Fe-salicylate has proved the most active. The toxicity of Fe-salicylate being considerably lower than that of the Cd-complex, the compound might eventually be used in therapy.

(Gerner - London (N, 16)

CC: EXCEL TRIADIAL, VOL 7 No. 6, SECTION V, AUGUST 1971



23-58-2-4/9

AUTHOR: Shvarzsaid, M.S. (Shvartszayd, M.S.), Candidate of Technical Sciences; Reiman, V.A. (Reyman, V.A.)

TITLE: Preliminary Preparation of Oil-Shale Fly Ashes if Used in Autoclaved Concretes (Predvaritel'naya podgotovka pylevidnoy slantsevoy zoly v sluchaye yeye primeneniya v avtoklavnykh betonakh)

PERIODICAL: Izvestiya Akademii nauk Estonskoy SSR, Seriya tekhnicheskikh i fiziko-matematicheskikh nauk, 1958, Nr 2, pp 118-127 (USSR)

ABSTRACT: An essential problem in applying oil-shale fly ashes as a building binder is the negative effect of the uncombined lime (18%) found in them. The process of autoclaving the oil-shale fly ashes concrete entails a volume expansion of up to 8.5%. The volume expansion in the autoclaving process diminishes if the objects to be autoclaved are kept under normal conditions for several days. To reach a complete loss of volume expansion, at least 10 days would be necessary. By adding HCl and CaCl<sub>2</sub> the process of slacking the lime found in the ashes is considerably accelerated. However, this brings about a twofold diminishing in the strength of products. Grinding of the ashes

Card 1/2

03-08-2-1/9

Preliminary Preparation of Oil-Shale Fly Ashes if Used in Autoclaved Con-  
cretes

increases the compressive strength of products, but the necessary waiting period for a complete loss of volume expansion is still 3 days and more. The best method of eliminating the negative effect of lime and improving the binding properties of the ashes is a preliminary slacking of the fly-ashes followed by grinding, which considerably increases the compressive strength and the frost resistance of the products. O.A. Maddison, Academician of the AS, ESSR, is mentioned for his valuable help in connection with this article. There are 3 tables, 7 graphs, 1 diagram and 7 references, 6 of which are Soviet and 1 Estonian.

1. Concrete - Materials
2. Shale - Derivatives
3. Shale - Fly ash - Applications
4. Lime - Sources

ASSOCIATION: Institut stroitel'stva i stroitel'nykh materialov Akademii  
nauk Estonskoy SSR (Institute of Building and Building  
Materials of the Academy of Sciences of the Estonian SSR)

SUBMITTED: Jan 10, 1958  
Card 2/2

REIMANN, Brunon; CIESLA, Wojciech

Fluviogenic soils of the Vistula Valley at Graboe Village. Roczniki  
roln rosl 82 no.2:325-354 '61.

REIMANN, B.

Influence of the surface irrigation on the yield and  
chemical composition of hay in Dobrygosc, Kepno District.  
p. 170. GOSPODARKA WODNA, Warszawa. Vol. 16, no. 4, April, 1956.

SOURCE: East European Accessions List (EEAL) Library of Congress  
Vol. 5, no. 8, August 1956.

REIMANN, B.  
HOFFMANN, M.

"The Influence of Various Quantities of Bedding Straw on the Loss of Nitrogen and Organic Matter During the Period of Preservation of Manure. The Influence of Additions of Peat." p. 188, (ROCZNIKI NAUK ROLNICZYCH. SERIA A-ROSLINNA, Vol. 66, no. 2, 1953, Warsaw, Poland).

SO: Monthly List of East European Accession, Lib of Congress, Vol 2, no 10 Oct. 1953, Uncl.

S/044/62/000/006/060/127  
B168/B112

16.000  
AUTHOR: Reimann, József

TITLE: A study of the problems of straying by the method of matrix theory

PERIODICAL: Referativnyy zhurnal. Matematika, no. 6, 1962, 4, abstract  
6V18 (Magyar tud. akad. Mat. és fiz. tud. oszt. közl., v. 10,  
no. 3, 1960, 283-318)

TEXT: By using ordinary transition matrices in the case of one-dimensional straying of a particle and block matrices in the case of multidimensional straying it is possible to obtain certain known results and a number of new results by a single method. In the case of one-dimensional straying over the interval  $[0, n]$  with absorbing screens at the extremities the probability that the number of steps before absorption at point  $x = 0$  will be greater than  $N$  was established and the mathematical expectation of the number of steps before absorption at point  $x = 0$  was found. The case of straying along an infinite straight line with an absorbing screen at point  $x = 0$  is also examined. In the case of the straying of a particle over a

Card 1/2

A study of the problems of...

S/044,62/000/006/060/127  
B158/E112

rectangular grid with absorbing boundaries a formula was found for the probability of passage from one point of the grid to another over  $N$  steps, the probability that the particle is not absorbed over  $N$  steps was determined, and for the case of symmetrical straying the mathematical expectation was found for the number of steps before absorption. Similar results were obtained for the case of three-dimensional straying of a particle. The case of straying over a parallelepipedon, with some walls absorbing and others reflecting, is also examined. Some of the results obtained are generalized for the  $n$ -dimensional case; for the others the method of this generalization is obviously suitable. [Abstracter's note: Complete translation.]

Card 2/2

REIMANN, Jozsef (Budapest)

Discussion of erratic problems by means of the method of the matrix theory. Mat kozl MTA 10 no.3:283-318 '60.

(EEAI 10:9)

1. A Magyar Tudomanyos Akademia Matematikai Kutato Intezete, Budapest.

(Matrices) (Probabilities)



**Reassigned. But we need**

PLANNED FOR REPRODUCTION

Polystyrene-*ortho*-optically active isodermulin asphyrenyl; truly konformal; 13-21 February 1998 (Optical Polarization Method for Polymers Analysis) Transactions of the Conference of February 13-21, 1998. [Lentzsch] 13-21 February 1998. 451 p. Rritia slip insert. 2,400 copies printed. Lendzsching unit., 1980.

Supp. Ed.: S.P. Gribbaldori, Ed.: Ye.Y. Shubman; Tech. Ed.: G.D. Yozolugin;  
Bacterial Strain: G.O. Ostman, L.N. Luchkov, V.M. Kravtsov, T.D. Kuznetsov;  
S.I. Pivovarov, V.M. Frolov, I.B. Kovalev, and Ye.L. Kozlovskiy.

**REMARK:** This collection of 58 articles is intended for scientists and engineers concerned with experimental stress analysis of machine parts and structural components.

**CONTENTS:** The collection contains reports presented at the conference on official polarization methods in eight states held February 13 - 21, 1968, in which participants included delegates from leading representatives of the People's Movement for Liberation, the German Democratic Republic, the People's Republic of China, East Germany, Poland, Czechoslovakia, Bulgaria, Romania, and the Republic of Cuba.

[illegible]

## Optical Polarization Method (Cont.)

DOT/2004.2

## VI. SOLUTION OF DIAPYCN PROBLEMS IN THE THEORY OF ELASTICITY

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SOLOMON, I., ing.; MARINCU, M., ing.; APOSTOLEANU, Vasilica, ing.; CRISTEA, S.  
NIETZ, K.; GEIB, A.; BARDUT, I.; REIMER, H., ing.; MIHAILESCU, M., ing.

Improving the finishing technological processes of woolen  
fabrics, Pt. 1. Ind text Rum 12 no. 5: 199-205 My '61

1. Institutul de cercetari textile (for Solomon). 2. Industria  
Linii, Timisoara (for Marincu). 3. Dorobantul, Ploiesti (for  
Apostoleanu, Cristea). 4. Postavaria Romina, Bucuresti (for  
Nietz) 5. Fabrica de postav, Buhusi (for Geib). 6. Libertatea,  
Sibiu (for Bardut). 7. Partizanul Rosu, Brasov (for Reimer,  
Mihailescu).

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BRAUN, A., DORABIALSKA, A. and REIMSCHUSSEL, W., of the Department of General Chemistry, University (Katedra Chemii Ogolnej Uniwersytetu), Lodz; Department of Physical Chemistry, Technical University (Katedra Chemii Fizycznej Politechniki), Lodz.

"Chemiluminescence of Lucigenin and its Four Analogues"

Warsaw, Roczniki Chemii, Vol 40, No 2, 1966, pp 247 - 255

Abstract (Authors' English Abstract modified): The rate of the chemiluminescence decay during the reaction of lucigenin and its four substitution derivatives  $\text{H}_2\text{O}_2$ -NaOH was investigated. It was concluded that the substitution of methyl by phenyl increases the intensity of chemiluminescence oxidation rate.

The authors thank Professor-Doctor A. Chrzasczczewska for initiating the synthesis of the unknown analogue eucigenines. Further thanks goes to Professor W. Kirkor for permission to jointly work at the Department in the area of chemiluminescence. Orig. art. has: 4 figures, 1 formula and 2 tables. /JPRS: 36,002/

TOPIC TAGS: chemiluminescence, nonmetallic organic derivatives

SUB CODE: 07 / SUBM DATE: 30Mar65 / ORIG REF: 005 / SOV REF: 002  
OTH REF: 010

Card 1/1

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0923 0749

REIMSCHUSSEL, Wladyslaw; LORABIALSKA, Alicja, BEM, Henryk

Application of the C-14 isotope in kinetic studies of CO<sub>2</sub>  
sorption on activated charcoal. Chemia Lodz no.14:51-61 '64.

1. Department of Physical Chemistry, Technical University,  
Lodz.

POLOWINSKI, Stefan; REINSCHUSSEL, Wladyslaw

Application of J - 131 in characterizing grafted copolymers.  
Chemia Lodz no.14:87-95 '64.

1. Department of Physical Chemistry of Polymers and Department  
of Physical Chemistry, Technical University, Lodz.

APIN, P.,  
VADPLY, V., (Coll. Czech. Chem. Comm., 1930, 2, 145-157)

ABIN, E.,  
V. VESSELY, Collection Czechoslov. Chem. Comm. 1, 493-  
515, (1929)

ABIN, V.,  
V. VESLY, Collection Czechoslov. Chem. Comm. 2, 145-57  
(1930)



REFIN, E. J.  
V. VERFLY, Collection Czechoslov. Chem. Comm. 1,  
492-515 (1929)

REIN, F.

Notes on the Relation of vapor pressure to storms; in honor of the 75th birthday of  
Professor Stanislav Hanzik. p. 40  
METEOROLOGICKE ZPRAVY. Vol. 6, No. 2, May 1953

SO: Monthly East European Accession(EEAL), LC, Vol. 4, No. 9, Sept. 1955 Uncl.

REIN, F.

Comparison of the temperature of Mílesovka and Prague. P. 72.  
METEOROLOGICKE ZPRÁVY. Vol. 6, No. 3, June 1953

SO: Monthly East European Accession, (EEAL), LC, Vol. 4, No. 9, Sept. 1955 Uncl.

1953, 4.

Data of Wild's evaporimeter. p. 109. METEOROLOGICKÉ ZPRÁVY.  
Vol. 6, No. 4. Sent. 1953.

SOURCE: East European Accessions List. (EEAL), LC, Vol. 5. No. 3, March 1956.

1. 11. 11.

Notes on the study of the zonal current over Europe. p.129.  
METEOROLOGICHESKAYA. Vol. 6, No. 5, Oct. 1953.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, No. 3. March 1956

LENN, F.

Period of maximum temperature in Prague; dedicated to the memory of  
Dr. F. Augustin, a university professor. p. 141. METEOROLOGICKE ZPRÁVI.  
Vol. 6, no. 6, Dec. 1953.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, No. 3, March 1956

REIN, F.

Relation between the amount of precipitation and the altitude. I. Application of the graphic correlative method according to Professor Salamon. p.48. METEOROLOGICKE ZPRAVY. (Statni meteorologicky ustav) Prague. Vol. 7, no. 2, April 1954

SOURCE: East European Accessions List. (EEAL) Library of Congress  
Vol. 5, no. 8, August 1956

Rein, F

551.594.21  
1900. THE RELATION BETWEEN A FIELD OF RELATIVE  
DIVERGENCE AND THE OCCURRENCE OF THUNDER-

STORMS. F.Rein.

Czech. J. Phys., Vol. 5, No. 4, 549-50 (Dec., 1955).

The relative divergence has been calculated by the method  
of Sawyer and Matthewman (Quart. J. Roy. Meteorol. Soc.,  
Vol. 77, 667, Oct., 1951) for 12 thunderstorms between the  
500-1000 mb levels. It is found that convergence of the field  
is correlated with the occurrence of thunderstorms.

J.M.Hough



Rein, František

✓ 7.8-208  
 Rein, František (*Prague Univ. Met. and Clim. Inst.*), Srážky v Čechách při některých synoptických situacích v letním pololetí (Poznámky k přibývání srážek z rostoucí nadmořskou výškou, III). [Precipitation in Bohemia in connection with certain synoptic situations in the summer season, Pt. 3 of Notes on the increase of precipitation with height above sea level.] *Meteorologické Zprávy*, Prague, 8(1):14-16, Feb. 28, 1955. 4 figs. Russian and German summaries p. 14-15. DWB—This is a continuation of a study of orographic effects on rainfall distribution in Bohemia. Precipitation distribution is analyzed for selected types of synoptic situations, considering direction and speed of frontal passages. With fast passages of fronts the precipitation pattern reflects the position of the station with respect to windward or leeward slopes. With slow or quasi-stationary fronts no precipitation increase with altitude and no orographic effect is found. *Subject Headings:* 1. Rainfall distribution 2. Orographic effects 3. Frontal passage effects 4. Bohemia, Czechoslovakia.—*Trans. of author's abstract.*

551.577.5:551.515.8

Rein, František

V Rein, František and Batra, Oldřich (*Prague Univ., Met. and Clim. Inst.*), Neketerš  
~~české jednoty ageostrofické složby větru.~~ [A few numeric values of the ageostrophic wind  
 component.] *Meteorologické Zprávy*, Prague, 8(2):43-47, April 30, 1955. 5 figs., 3 tables,  
 6 refs., 8 eqs. Russian and English summaries p. 43. DWB—The differences between the  
 geostrophic wind and the ageostrophic vectors are derived. Approximate values of the  
 coefficient of friction are also given. The measured vectors of the wind from Prague and  
 Milešovka (Donnersberg) have been used. The geostrophic wind at Prague has been estimated  
 from the surface pressure pattern; at Milešovka the mean vector of geostrophic flow at the  
 surface and the 850 mb level have been used. It is found that the angle between the mean  
 geostrophic and actual winds is 50° in the lowland, but only 25° in the highland on the moun-  
 tain's top 300-400 m above the surroundings. According to the measurements at Milešovka,  
 the ageostrophic wind direction deviates at an angle of 80° to the left from the actual direction  
 of the wind. The mean value of the coefficient of friction is found to be  $1.63 \times 10^{-4} \text{ sec}^{-1}$  for  
 the lowland and  $0.54 \times 10^{-4} \text{ sec}^{-1}$  for the hilly region (on the top of Milešovka). *Subject*  
 Headings: 1. Ageostrophic winds 2. Geostrophic winds 3. Milešovka, Czechoslovakia.—  
 Authors' abstract.

REIN, F.

8.1-333 551.585  
 Reim, František, (*Czechoslovak Acad. of Science, Geophys. Inst.*), Způsoby lasifikace  
 klimatu. [Methods of climatic classification.] *Metereologické Zprávy*, Prague, 9(1):5-8,  
 1956. table, 29 refs. Russian and German summaries p. 5. DWB—Methods of climatic  
 classification are reviewed and classified into four main groups (biological, biological-climato-  
 logical, geographical-climatological and climatological) and several secondary groups. The  
 problem of finding the method best suited for Czechoslovakia is discussed. It is believed that it  
 would be best for agroclimatological purposes to divide the territory of Czechoslovakia first by  
 specified temperature values and then further by precipitation variability or similar rainfall  
 parameters, and additional elements. *Subject Heading: 1. Climatic classification techniques.*  
 —Trans. of author's abstract.

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 mjr

REIN, FRANTIŠEK

Rein, František (*Geophys. Inst., Czechoslov. Acad. of Science*), *Oblačnost na Milešovce v letech 1946-1955*. [Cloudiness over Milešovka, 1946-1955.] *Meteorologické Zprávy*, Prague, 9(3):74-77, June 1956. 6 tables. refs. Russian and German summaries p. 74. DWB— Degree of cloudiness and cloud types observed at Milešovka Observatory (1946-1955) are tabulated and briefly discussed. *Subject Headings*: 1. Cloudiness 2. Cloud types 3. Milešovka Observatory, Czechoslovakia.—*Trans. of author's abstract.*

REIN, F.

REIN, F. Temperature on the summit of Mlesovka, 1946-1955. p. 86.

Vol. 9, No. 4, 1956.  
METEOROLOGICKÉ ZPRÁVY  
SCIENCE  
Praha, Czechoslovakia

So: East European Accession, Vol. 6, No. 2, Feb. 1957

REIN, FRANTIŠEK

František, Poznámky k ročnímu chodu proměnlivosti srážek. [Notes on the annual march of rainfall variability.] *Meteorologické Zprávy*, Prague, 9(5/6):131-134, 1956. 4 figs., 4 tables, 4 refs. Russian and German summaries p. 131. DWB—An index of rainfall variability is proposed by the following formula:  $I = 200 A/R$ , where  $I$ =rainfall variability index in percent;  $A$ =mean variability, i.e., the arithmetic mean of absolute values of deviations of monthly total rainfall amounts from their 25-yr averages; and  $R$ =average total rainfall amount. Monthly values of  $I$  are tabulated and graphically presented for six stations in Bohemia and Moravia (1926-1950). Mean variability and amplitude of monthly totals are also tabulated. Regional distribution of  $I$  in Bohemia and Moravia is shown in a chart. The effect of orography on rainfall variability is discussed on the basis of the values presented. Subject Headings: 1. Rainfall variability 2. Czechoslovakia.—G.T.

REIN, F.

"Precipitations on Mílesovka Peak during the years 1946-1955." p. 2.

METEOROLOGICKÉ ZPRÁVY. Praha, Czechoslovakia, Vol. 12, no. 1, Feb. 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 8, August, 1959.  
Uncl.

RAID, V.

Characteristics of cloudiness and sunshine and Mlesovka  
Mountain under various synoptic types. Meteor zpravy 15  
no.3/4:74-78 Ag '62.

1. Laborator meteorologie, Ceskoslovenska akademie ved.



REIN, F.

Variability of summer precipitations in Bohemia and Moravia. p. 31

METEOROLOGICKE ZPRAVY. (Statni meteorologicky ustav)  
Praha, Czechoslovakia

Vol. 12, no. 2/3, June 1959

Monthly list of East European Accessions (EEAI) LC. VOL. 9, no. 1 January 1960

Uncl.

REIN, F.

TJR

10.2-210 551.515.4:551.558.1  
 Rein, František, Vztah mezi vertikálními pohyby a bouřkami. [Relation between vertical movement and thunderstorms.] *Meteorologické Zprávy*, Prague, 10(5):119-125, 1957. 12 figs., 2 tables, 9 refs., 5 eqs. Russian and English summaries p. 119. DWB--  
 The paper contains the results of a preliminary study of the relation between the pattern of the vertical isobars (of the order of cm/sec) and the occurrence of thunderstorms or convective cloudiness. Both the synoptic vertical velocities, as well as those enforced by the flowing of air over mountains, are considered. It is shown that in several cases the forced vertical motions considerably influence the distribution of synoptic vertical motions; hence the forced motions should not be neglected. The statistical relation between the occurrence of thunderstorms and medium vertical velocities (in cm/sec) of the lower troposphere is shown graphically and in several specific examples. *Subject Headings:* 1. Thunderstorm-vertical motion relationships 2. Vertical velocities. *Author's abstract.*

REIN, F.

SCIENCE

Periodicals: METEOROLOGICKE ZPRAVY. Vol. 11, no. 6, Dec. 1958

REIN, F. Dry periods on Malesovka Mountain. p. 125.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 5,  
May 1959, Unclass.

BEIN, F.

Humidity of the atmosphere on the top of Malesovka in the years 1946-1955. p.13.  
(Meteorologické Zpravy, Vol. 10, No. 1, Feb. 1957, Praha, Czechoslovakia)

SC: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

REIN, F.

Winds on the summit of Malesovka in the years 1946-1955. p.36.  
(Meteorologické Zprávy, Vol. 10, No. 2, Apr. 1957, Praha, Czechoslovakia)

SC: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

REIN, E.

Notes on the 4th International Congress on Alpine Meteorology in Chamonix, Sept. 1956

p. 58 (Meteorologické Spravy) Vol. 10, no. 3, June 1957. Praha, Czechoslovakia.

SO: Monthly Index of East European Accessions (EEAI) IC, Vol. 7, no. 1, Jan 1958

REIN, FRANTISEK

8.7-250 551.558:551.515.41  
Rein, Frantisek. The relation between a field of relative divergence and the occurrence of thunderstorms. *Czechoslovakisk Fysicheskij Zhurnal*, Prague, 5(4):549-550, 1955. 2 figs., 3 refs. DLC—Relative divergence was calculated for 12 thunderstorm situations and the results are shown in a graph representing thunderstorm frequency correlations with relative divergence and average vertical velocity in the 1000-500 mb layer. It is concluded "that there really exists a direct proportionality between the vertical velocities of small magnitudes (of the order of cm/sec) and the convective vertical velocities (m/sec to tens of m/sec)." Subject Headings: 1. Vertical velocities 2. Thunderstorm dynamics.—G.T.

RE AMF

1ST AND 2ND ORDERS										PROCESSES AND PROPERTIES INDEX										3RD AND 4TH ORDERS									
BC										<p>Determination of water content of blood.                      I. A. Sidorovskiy and L. M. Rabin; <i>Appl. Chem. Rev.</i>, 1937, 10, 1140-1141. 10 ml. of blood are distilled with 100 ml. of H<sub>2</sub>O-saturated PhMe, and the amount of H<sub>2</sub>O separating from the distillate is measured.                      R. T.</p>										U-4									
A 50-51A METALLURGICAL LITERATURE CLASSIFICATION																													
GROUPS										LETTERS										LETTERS									
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z										A B C D E F G H I J K L M N O P Q R S T U V W X Y Z										A B C D E F G H I J K L M N O P Q R S T U V W X Y Z									



**Accelerated method for the determination of water in blood.** I. A. Smorodintsev and L. M. Rein. *J. Applied Chem.* (U. S. S. R.) 10, 1140-1 (in French 141 (1937)). Boil (at st. first) 10 cc. of blood with 100 cc. of  $\text{CaH}_2$ ,  $\text{Me}_2$ , or  $\text{PhMe}$  satd. with water and in the presence of pumice, until most of the water is distd. off, then increase boiling. Collect the distd. water in a graduated cylinder; its reading multiplied by 10 is the percentage of water in blood. The Dean and Stark distn. app. (C. A. 14, 2145) was used. The accuracy is as good as that obtained by the drying method. A A P

REIN, Lajos

Problems of the Budapest Factory of Upholsteries and the way of  
its development. Faipar 10 no.2:62-63 F '60.

TYNECKI, Jozef; BOGZKOWSKI, Zbigniew; REIN, Maria

Adenosinetriphosphate & ascorbic acid levels in pregnant uterus.  
Polski tygod. lek. 14 no.2:56-60 12 Jan 59.

1. Z II Kliniki Poloznictwa i Chorob Kobietych Ak. Med. w Lublinie;  
kierownik: doc. dr med. J. Tynecki. Adres: Lublin, II kl. Polozn. i  
Chor. Kobietych.

(UTERUS, metab.

adenylpyrophosphate & vitamin C in pregn. uterus (Pol))

(ADENYLPYROPHOSPHATE, metab.

uterus in pregn. (Pol))

(VITAMIN C, metab.

same)

(PREGNANCY, metab.

adenylpyrophosphate & vitamin C in uterus (Pol))

TYNECKI, Jozef; BOCZKOWSKI, Zbigniew; REIN, Maria

Blood proteins in women during labor & during the initial period  
of physiological puerperium. Polski tygod. lek. 14 no.6:252-254 9 Feb 59.

1. (Z II Kliniki Poloznictwa i Chorob Kobietych Ak. Med. w Lublinie;  
kierownik: doc. dr med. Jozef Tynecki) Adres: Lublin, II Klin. Polozn.  
i Chor. Kob.

(BLOOD PROTEINS  
in labor & puerperium (Pol))  
(LABOR, blood in  
proteins (Pol))  
(PUERPERIUM, blood in  
same)